

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
 Data File : BE101588.D
 Acq On : 12 Nov 2024 22:50
 Operator : RC/JU
 Sample : P4768-06DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-6-2DL

Quant Time: Nov 13 00:18:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

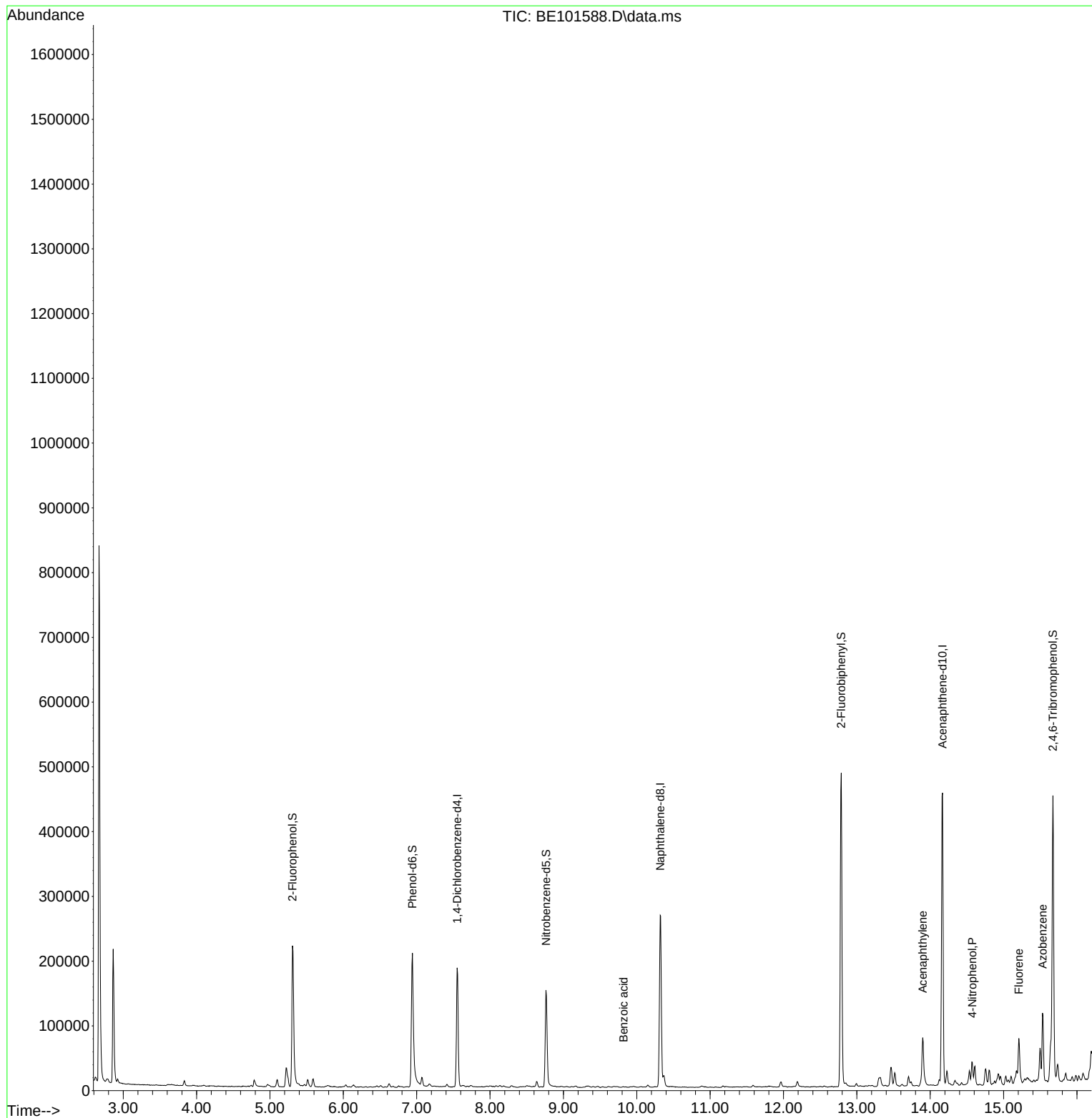
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	53219	20.000	ng	-0.01
21) Naphthalene-d8	10.320	136	241831	20.000	ng	-0.01
39) Acenaphthene-d10	14.168	164	163173	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	354194	20.000	ng	0.00
76) Chrysene-d12	21.066	240	366638	20.000	ng	-0.01
86) Perylene-d12	23.351	264	478806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.308	112	121122	40.242	ng	0.00
7) Phenol-d6	6.941	99	161141	39.048	ng	0.00
23) Nitrobenzene-d5	8.763	82	95283	24.887	ng	-0.01
42) 2,4,6-Tribromophenol	15.672	330	106170	34.578	ng	-0.01
45) 2-Fluorobiphenyl	12.787	172	273405	27.358	ng	-0.01
79) Terphenyl-d14	19.497	244	514083	31.038	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.820	122	24	6.843	ng	# 36
49) Acenaphthylene	13.898	152	65119	4.922	ng	97
56) 4-Nitrophenol	14.573	139	10363	4.820	ng	# 16
58) Fluorene	15.208	166	31711	2.795	ng	# 98
63) Azobenzene	15.531	77	30947	3.096	ng	# 1
71) Phenanthrene	16.947	178	546695	31.735	ng	99
72) Anthracene	17.029	178	155450	9.138	ng	98
75) Fluoranthene	18.957	202	841620	38.104	ng	100
78) Pyrene	19.321	202	692212	33.182	ng	100
81) Benzo(a)anthracene	21.048	228	488034	22.413	ng	99
83) Chrysene	21.101	228	389924	18.840	ng	97
87) Indeno(1,2,3-cd)pyrene	25.666	276	211123	6.416	ng	96
88) Benzo(b)fluoranthene	22.646	252	334503	12.734	ng	99
89) Benzo(k)fluoranthene	22.646	252	334503	14.027	ng	99
90) Benzo(a)pyrene	23.240	252	359102	15.834	ng	97
91) Dibenzo(a,h)anthracene	25.649	278	71844	2.622	ng	# 87
92) Benzo(g,h,i)perylene	26.418	276	174673	6.274	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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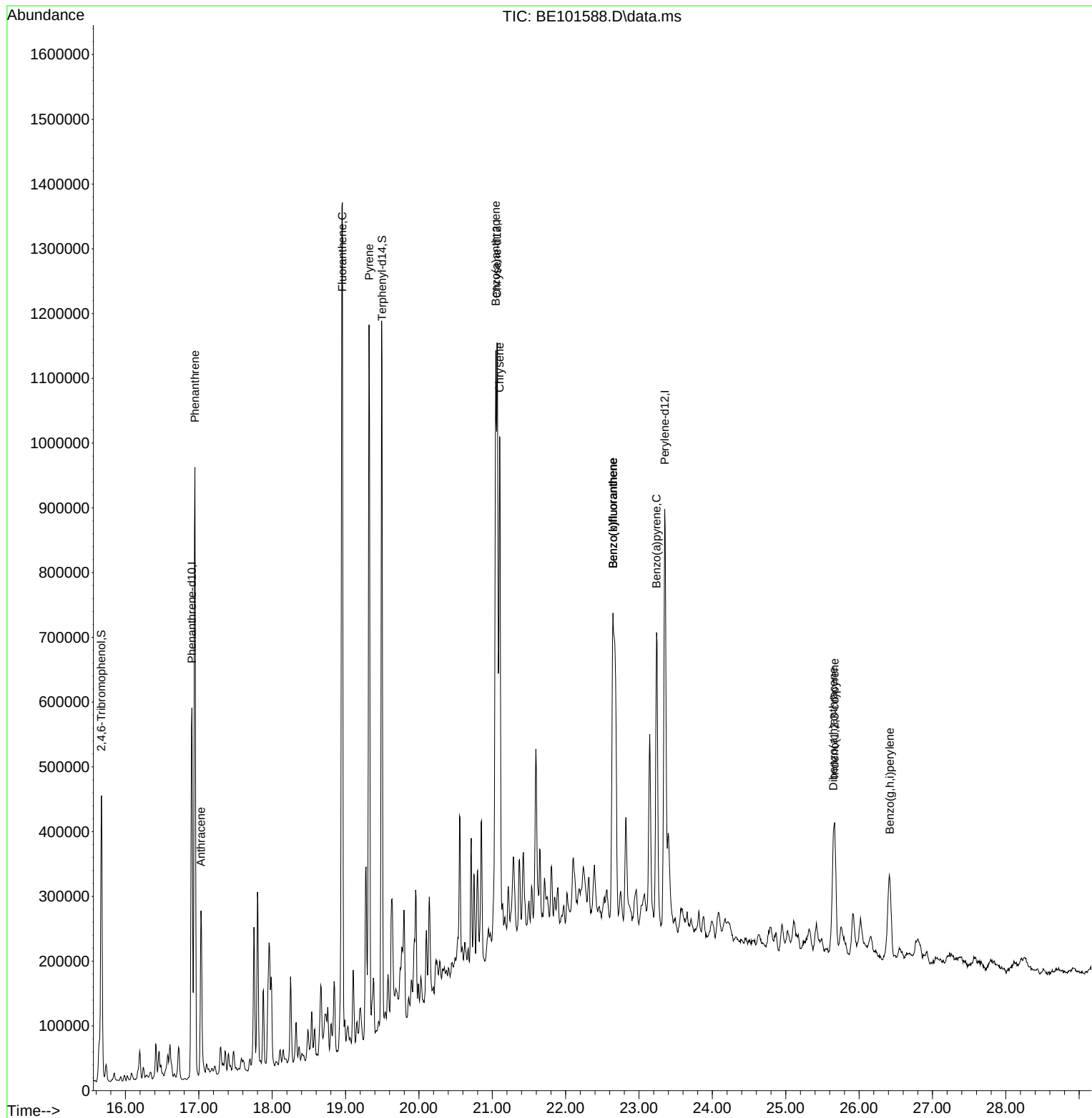
Quant Time: Nov 13 00:18:44 2024
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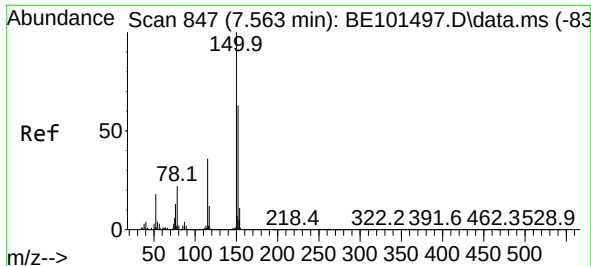


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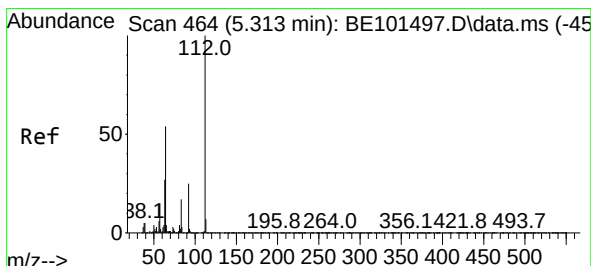
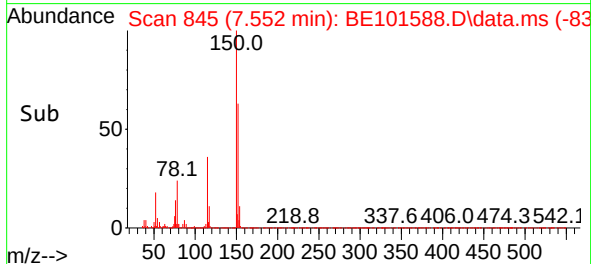
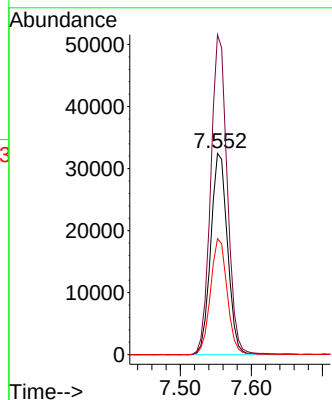
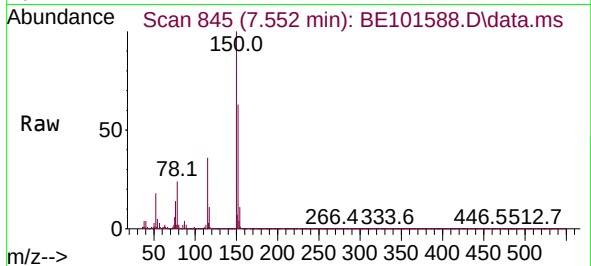




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.552 min Scan# 84
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

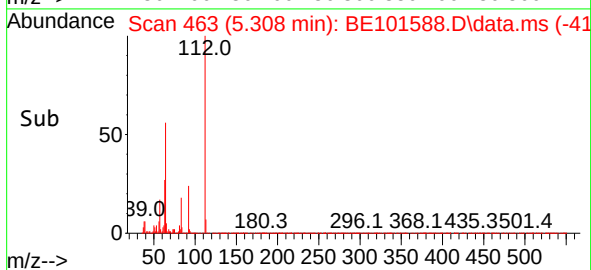
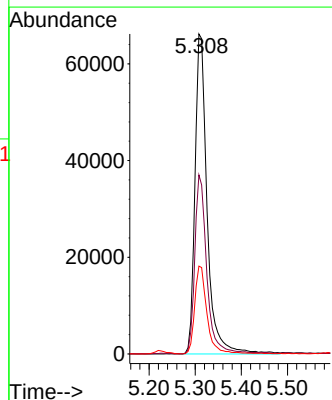
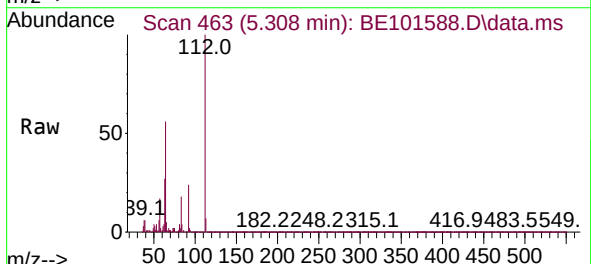
Instrument :
BNA_E
ClientSampleId :
B-6-2DL

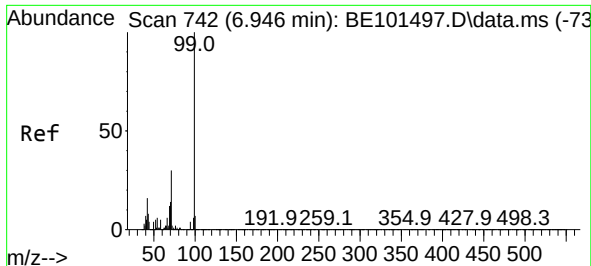
Tgt Ion:152 Resp: 53219
Ion Ratio Lower Upper
152 100
150 159.0 126.3 189.5
115 57.7 45.0 67.4



#5
2-Fluorophenol
Concen: 40.242 ng
RT: 5.308 min Scan# 463
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:112 Resp: 121122
Ion Ratio Lower Upper
112 100
64 55.9 43.2 64.8
63 27.5 21.8 32.6

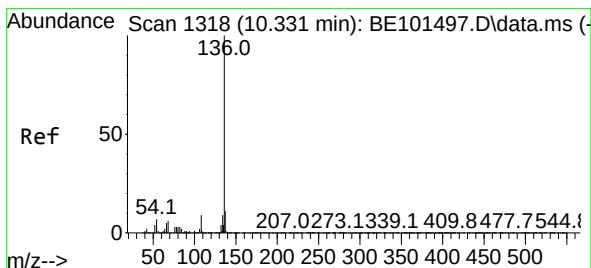
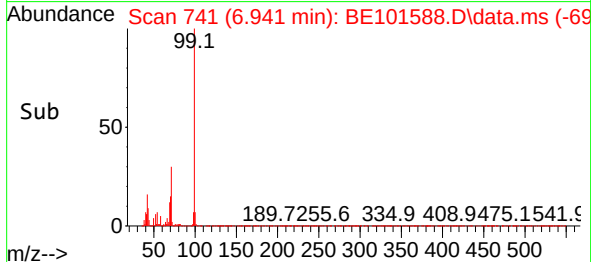
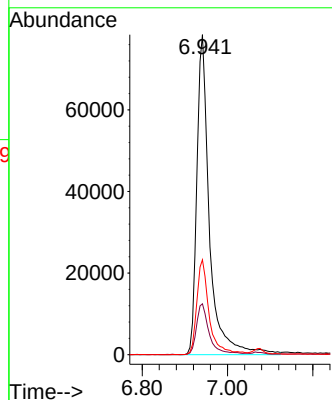
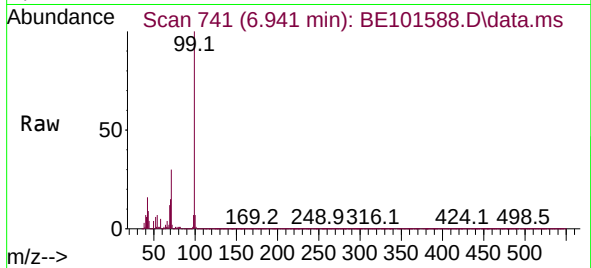




#7
Phenol-d6
Concen: 39.048 ng
RT: 6.941 min Scan# 741
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

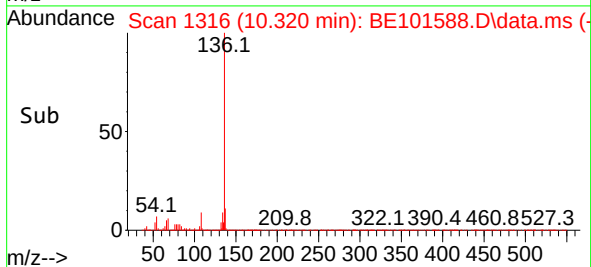
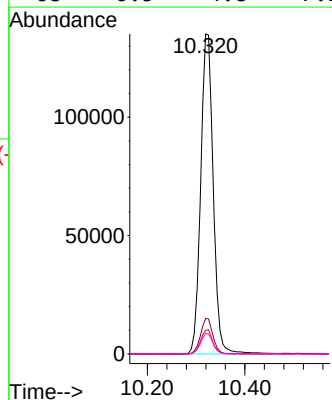
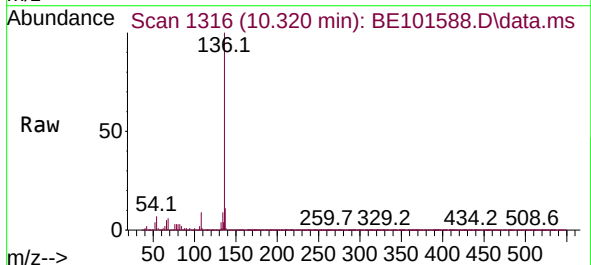
Instrument :
BNA_E
ClientSampleId :
B-6-2DL

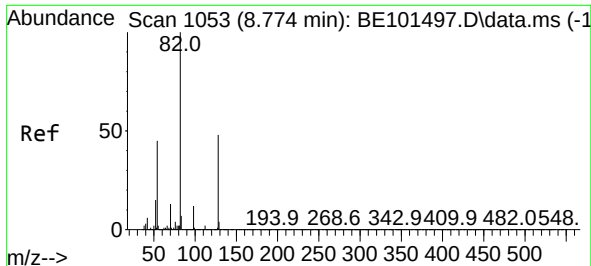
Tgt Ion: 99 Resp: 161141
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 29.6 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.320 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion: 136 Resp: 241831
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.4 5.6 8.4
68 6.5 4.8 7.2

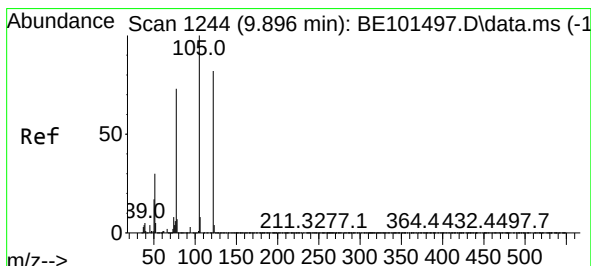
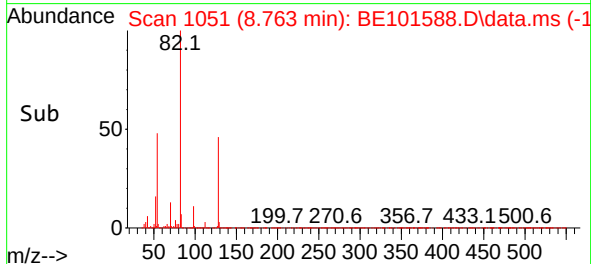
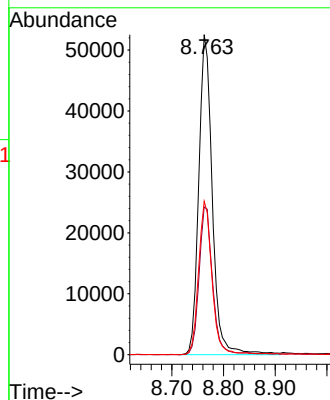
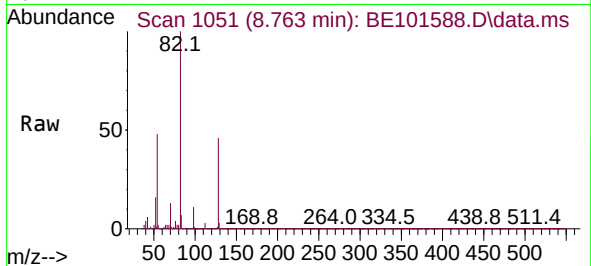




#23
Nitrobenzene-d5
Concen: 24.887 ng
RT: 8.763 min Scan# 1051
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

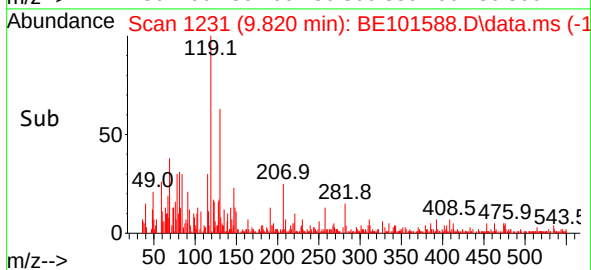
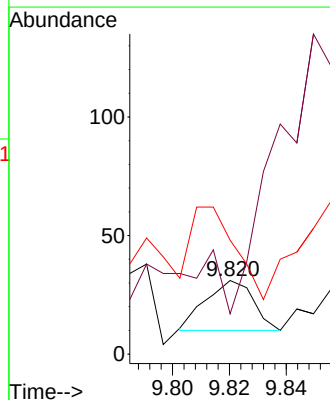
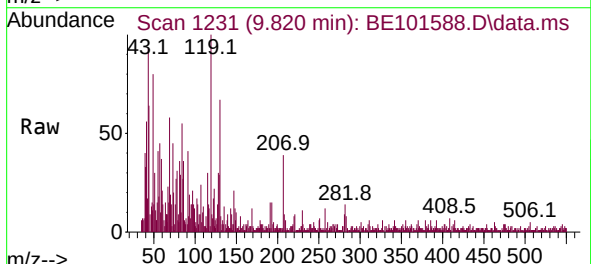
Instrument :
BNA_E
ClientSampleId :
B-6-2DL

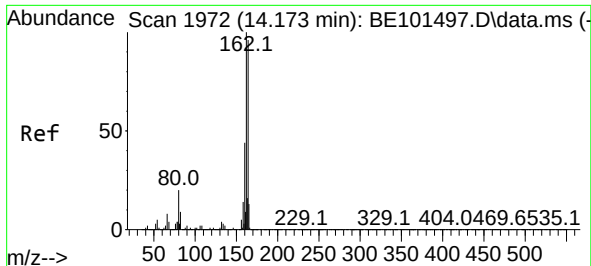
Tgt Ion:	82	Resp:	95283
Ion	Ratio	Lower	Upper
82	100		
128	46.1	38.6	58.0
54	47.9	36.3	54.5



#32
Benzoic acid
Concen: 6.843 ng
RT: 9.820 min Scan# 1231
Delta R.T. -0.076 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:	122	Resp:	24
Ion	Ratio	Lower	Upper
122	100		
105	54.8	100.6	140.6#
77	154.8	68.6	108.6#

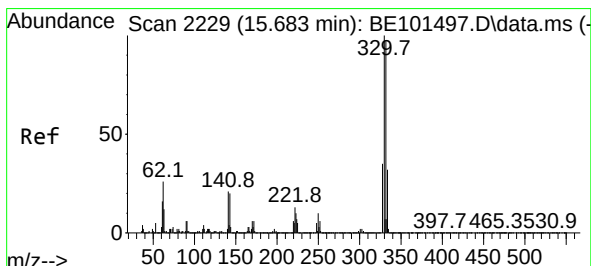
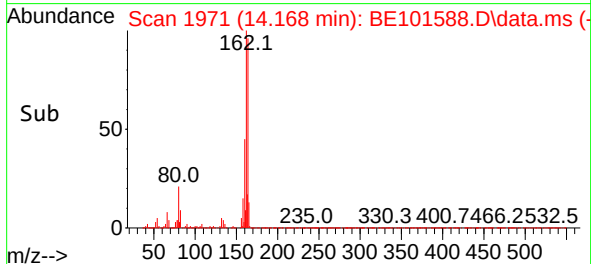
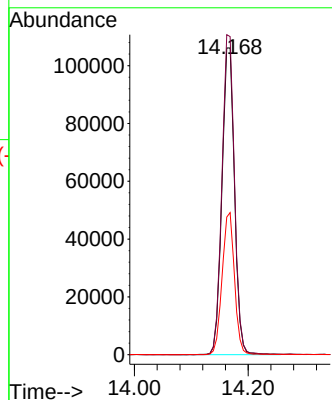
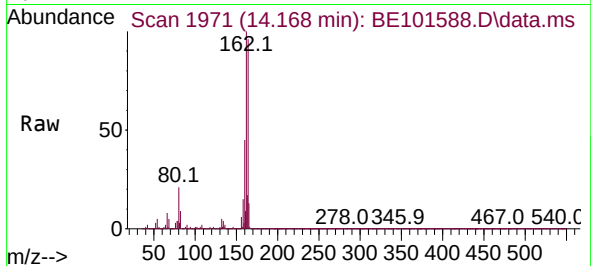




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.168 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

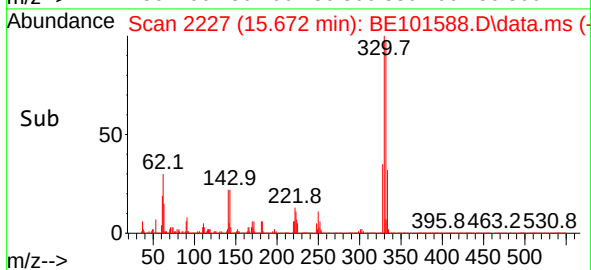
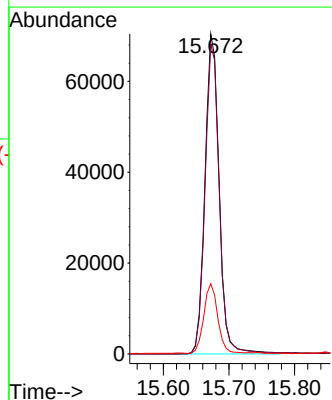
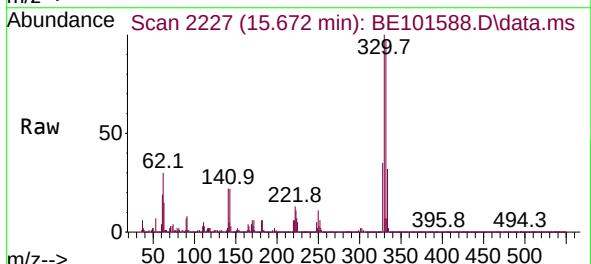
Instrument :
BNA_E
ClientSampleId :
B-6-2DL

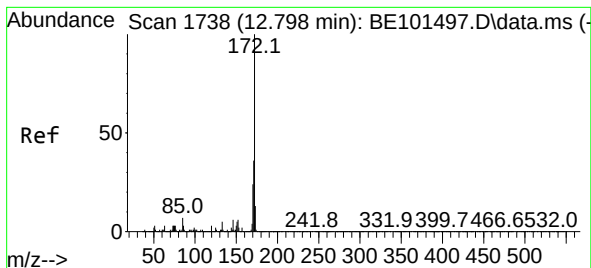
Tgt Ion:164 Resp: 163173
Ion Ratio Lower Upper
164 100
162 103.7 83.7 125.5
160 46.3 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 34.578 ng
RT: 15.672 min Scan# 2227
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:330 Resp: 106170
Ion Ratio Lower Upper
330 100
332 97.6 77.7 116.5
141 21.5 17.0 25.4





#45

2-Fluorobiphenyl

Concen: 27.358 ng

RT: 12.787 min Scan# 1

Delta R.T. -0.011 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

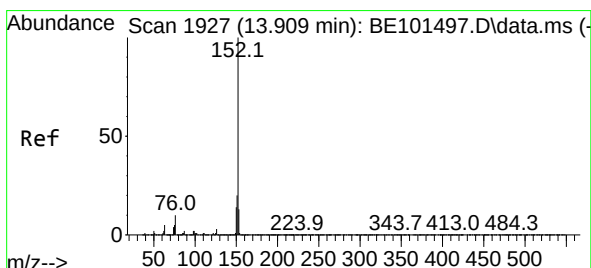
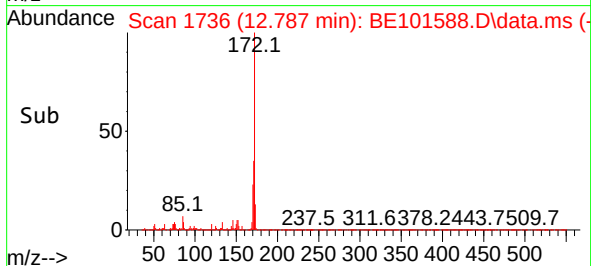
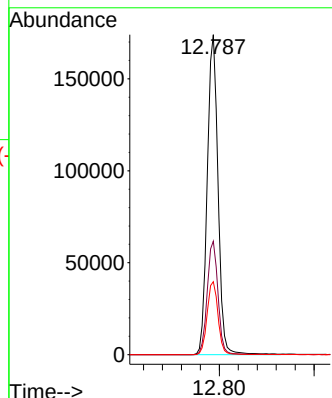
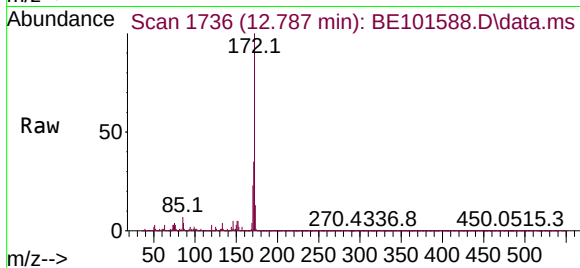
Tgt Ion:172 Resp: 273405

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 22.8 18.9 28.3



#49

Acenaphthylene

Concen: 4.922 ng

RT: 13.898 min Scan# 1925

Delta R.T. -0.011 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

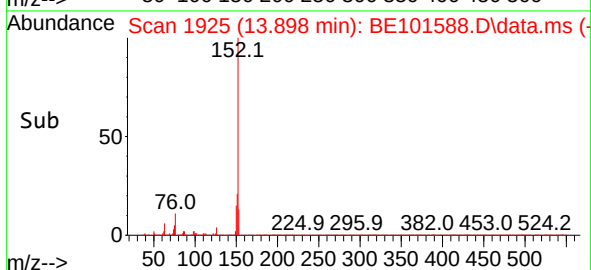
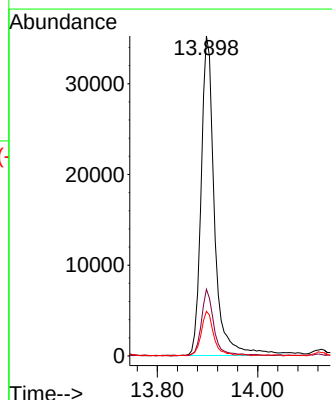
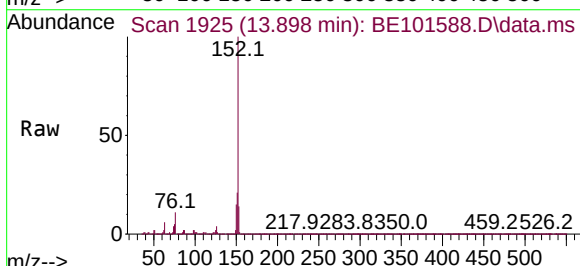
Tgt Ion:152 Resp: 65119

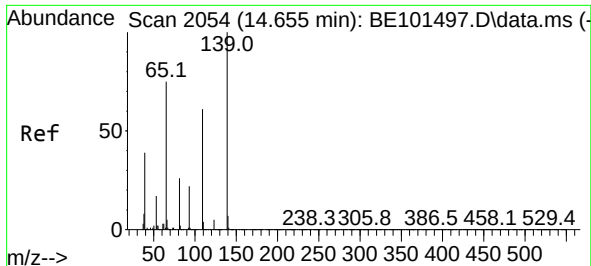
Ion Ratio Lower Upper

152 100

151 20.8 15.6 23.4

153 14.0 10.3 15.5

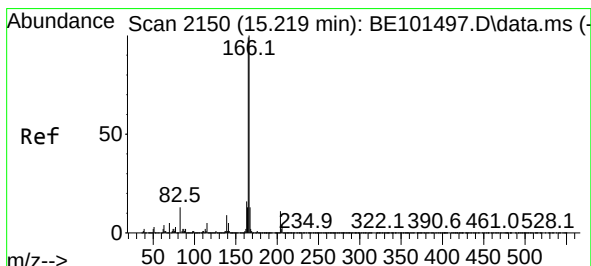
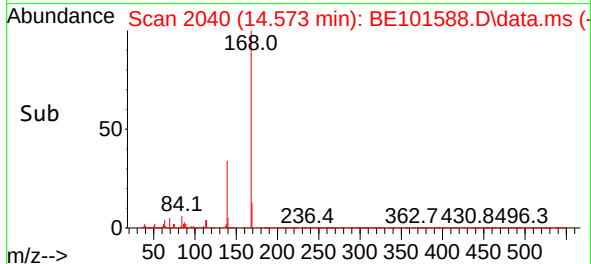
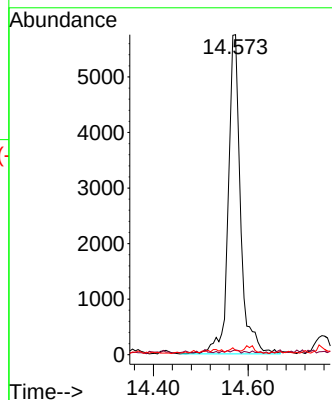
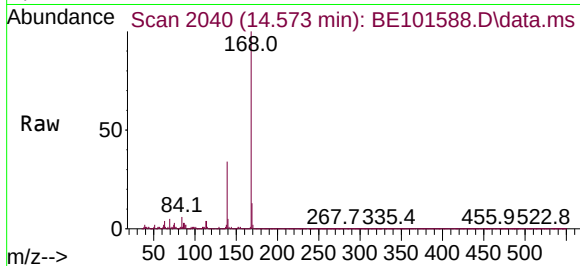




#56
4-Nitrophenol
Concen: 4.820 ng
RT: 14.573 min Scan# 2054
Delta R.T. -0.082 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

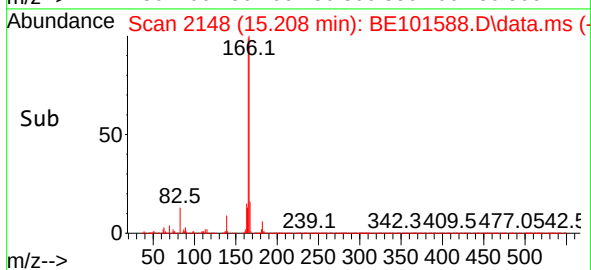
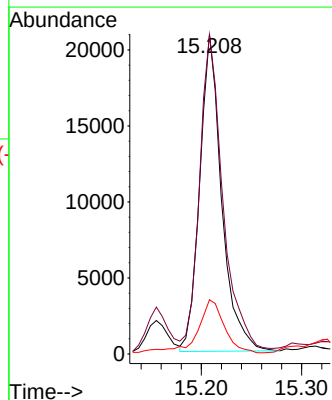
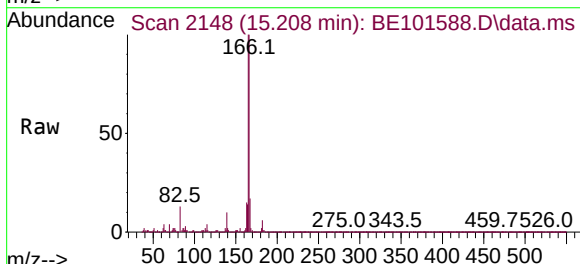
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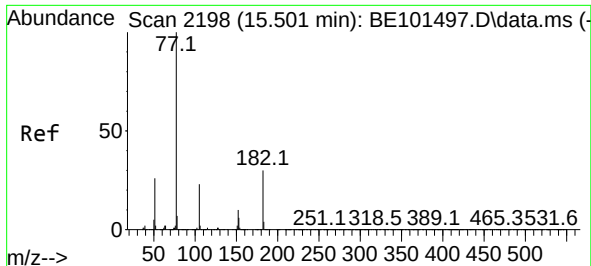
Tgt Ion:139 Resp: 10363
Ion Ratio Lower Upper
139 100
109 1.5 40.7 80.7#
65 1.3 58.0 98.0#



#58
Fluorene
Concen: 2.795 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:166 Resp: 31711
Ion Ratio Lower Upper
166 100
165 99.8 79.0 118.4
167 17.0 10.6 16.0#

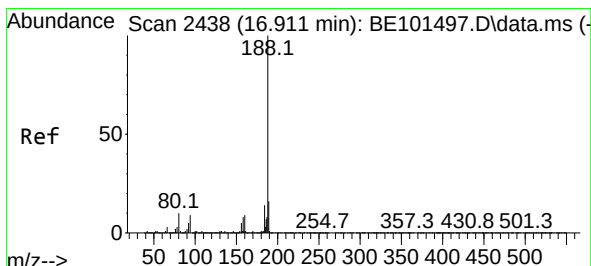
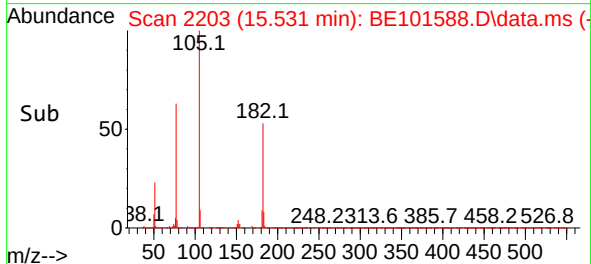
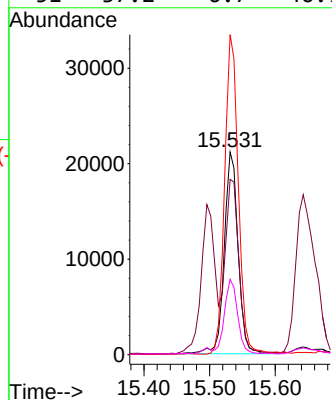
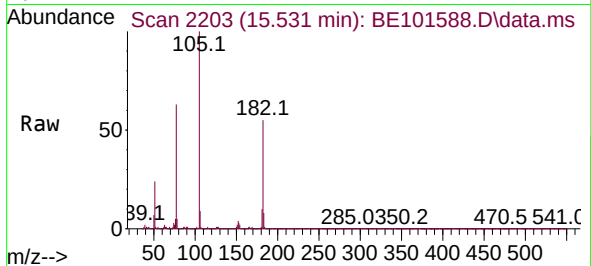




#63
Azobenzene
Concen: 3.096 ng
RT: 15.531 min Scan# 2198
Delta R.T. 0.030 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

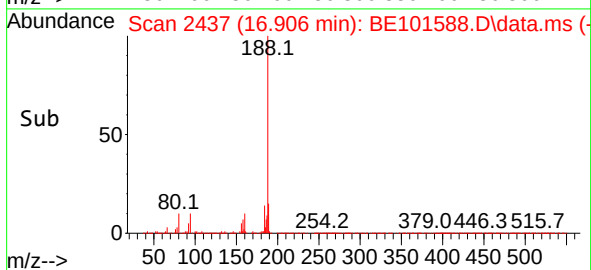
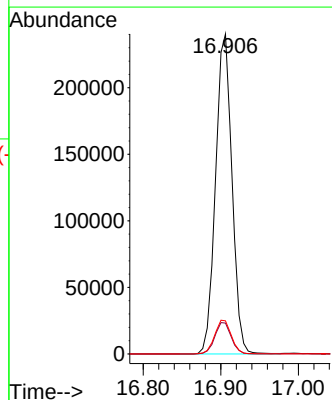
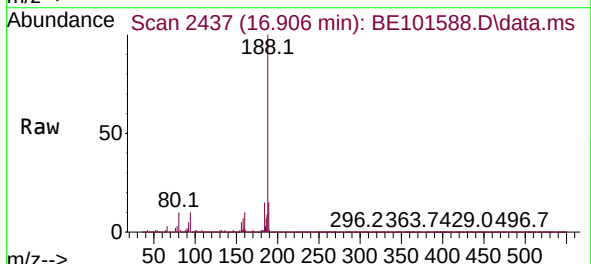
Instrument :
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ClientSampleId :
B-6-2DL

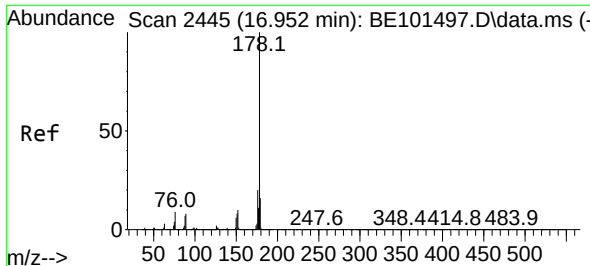
Tgt Ion: 77 Resp: 30947
Ion Ratio Lower Upper
77 100
182 86.5 9.1 49.1#
105 157.8 3.2 43.2#
51 37.2 6.7 46.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.906 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:188 Resp: 354194
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.4 8.0 12.0

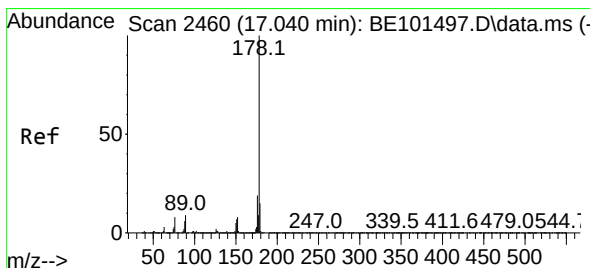
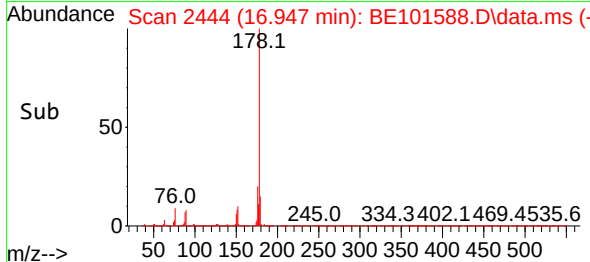
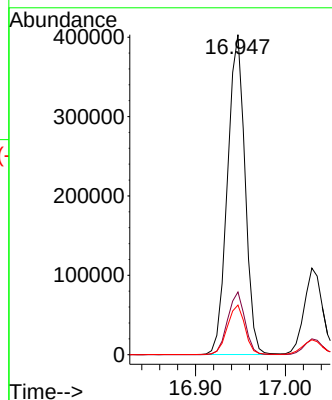
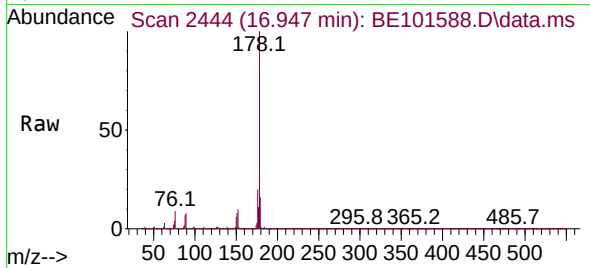




#71
Phenanthrene
Concen: 31.735 ng
RT: 16.947 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

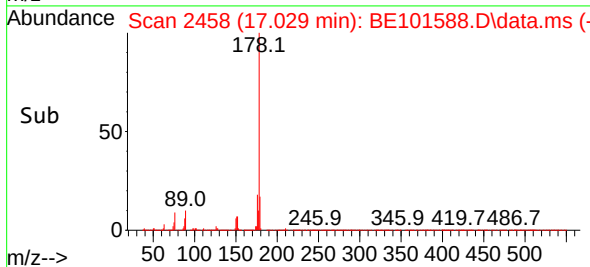
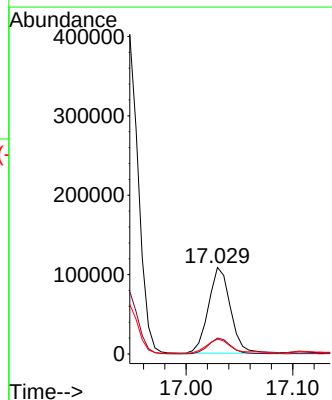
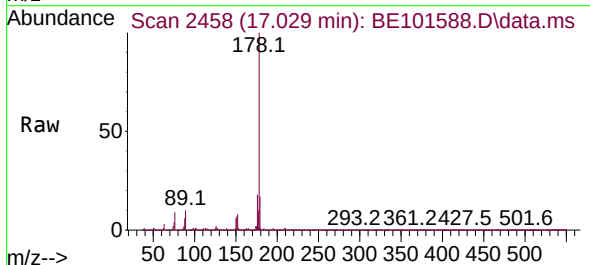
Instrument :
BNA_E
ClientSampleId :
B-6-2DL

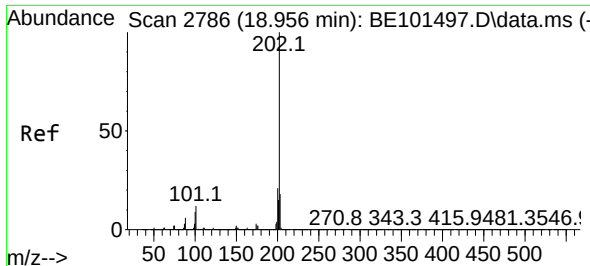
Tgt Ion:178 Resp: 546695
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.5 12.6 19.0



#72
Anthracene
Concen: 9.138 ng
RT: 17.029 min Scan# 2458
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:178 Resp: 155450
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 17.2 12.4 18.6

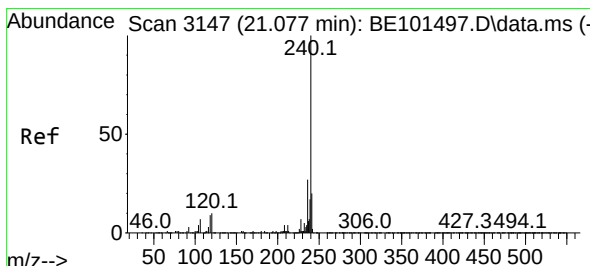
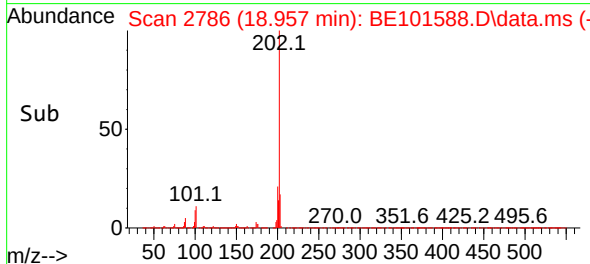
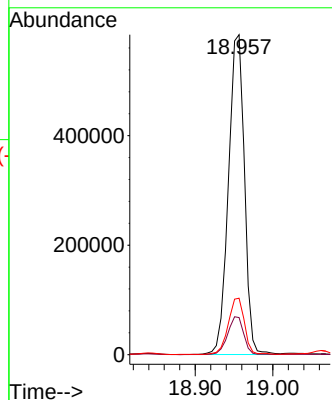
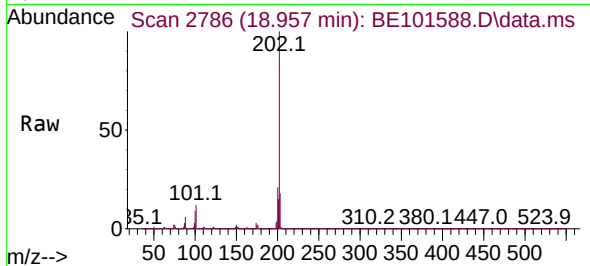




#75
Fluoranthene
Concen: 38.104 ng
RT: 18.957 min Scan# 21
Delta R.T. 0.001 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

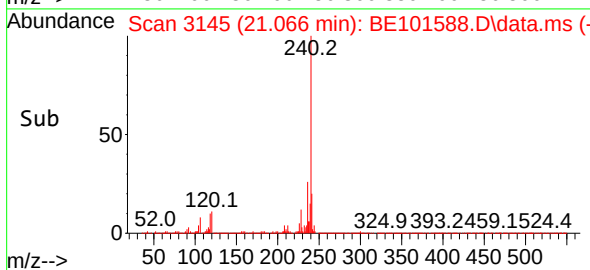
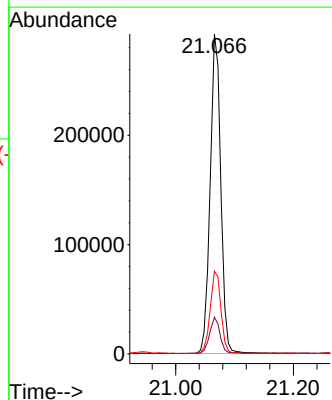
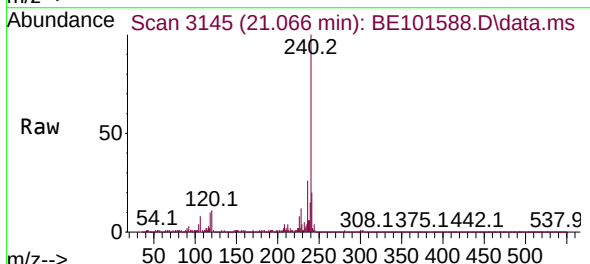
Instrument :
BNA_E
ClientSampleId :
B-6-2DL

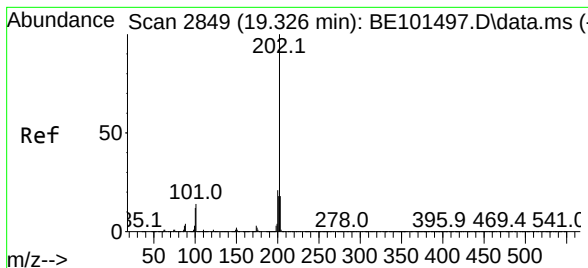
Tgt Ion:202 Resp: 841620
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.066 min Scan# 3145
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:240 Resp: 366638
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.4
236 25.9 21.4 32.2





#78

Pyrene

Concen: 33.182 ng

RT: 19.321 min Scan# 2848

Delta R.T. -0.005 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

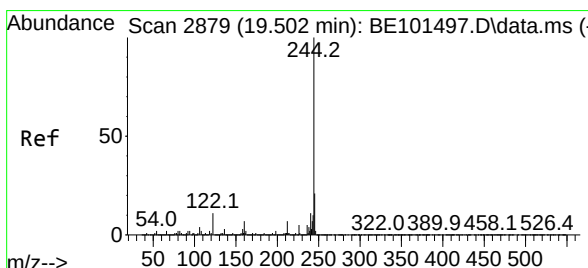
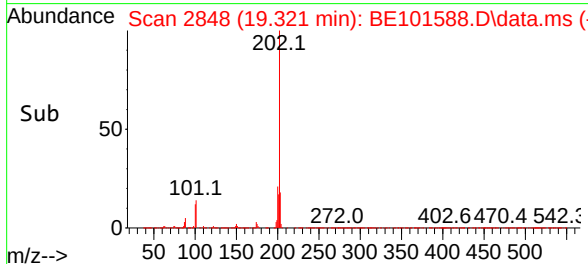
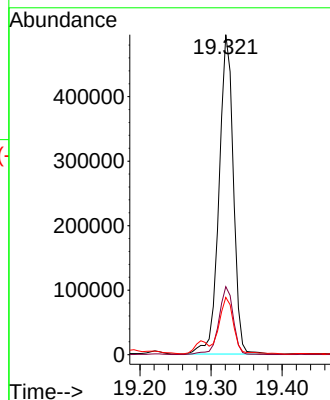
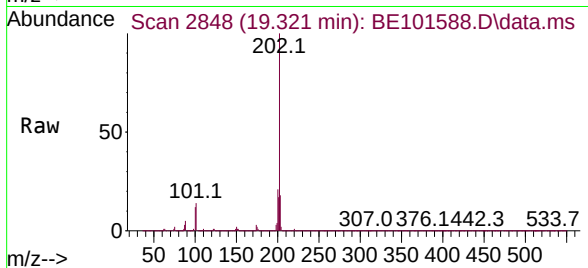
Tgt Ion:202 Resp: 692212

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 31.038 ng

RT: 19.497 min Scan# 2878

Delta R.T. -0.005 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

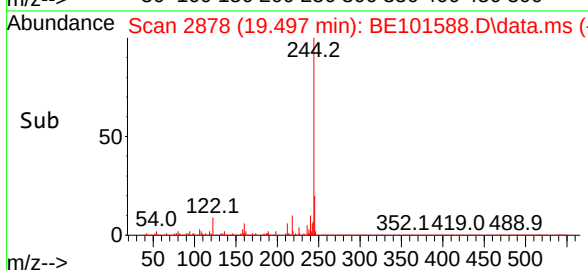
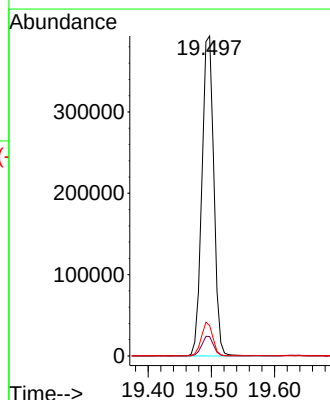
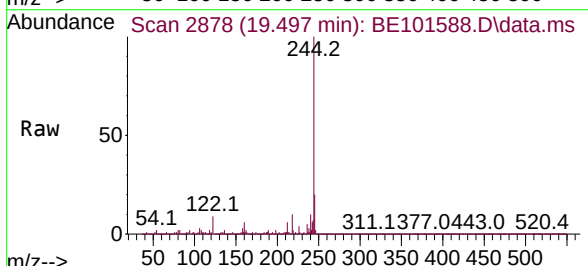
Tgt Ion:244 Resp: 514083

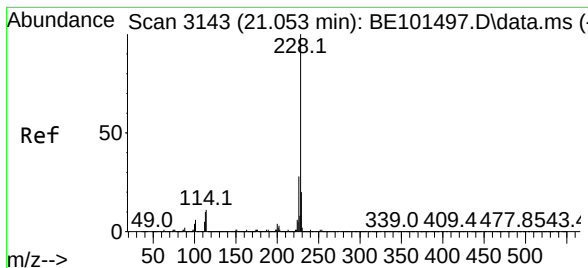
Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.8

122 9.5 8.4 12.6





#81

Benzo(a)anthracene

Concen: 22.413 ng

RT: 21.048 min Scan# 3142

Delta R.T. -0.005 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

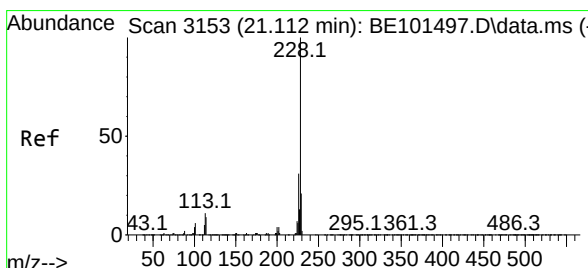
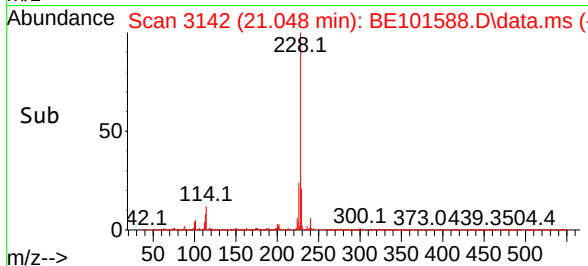
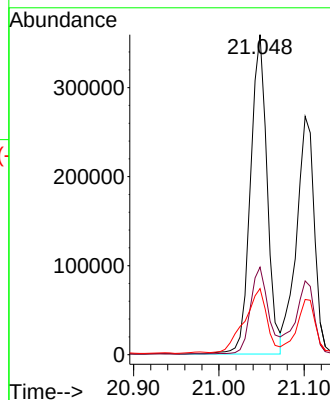
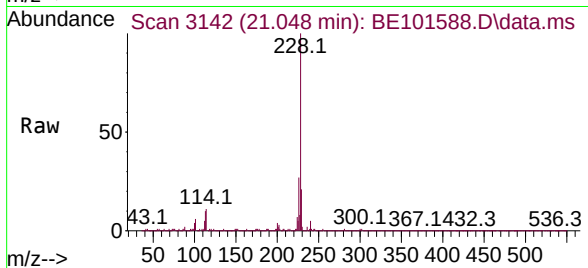
Tgt Ion:228 Resp: 488034

Ion Ratio Lower Upper

228 100

226 27.3 22.4 33.6

229 20.7 16.1 24.1



#83

Chrysene

Concen: 18.840 ng

RT: 21.101 min Scan# 3151

Delta R.T. -0.011 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

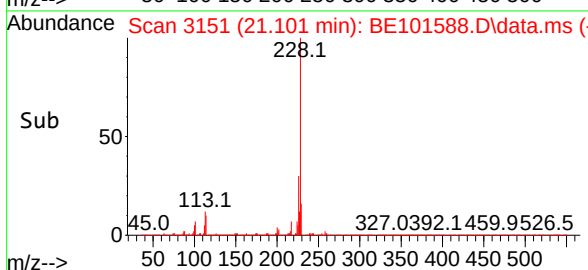
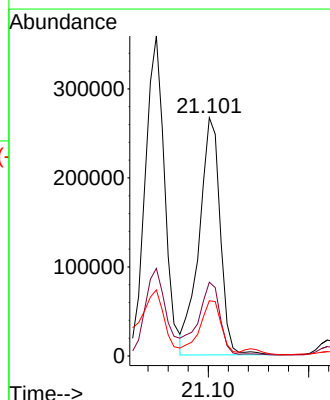
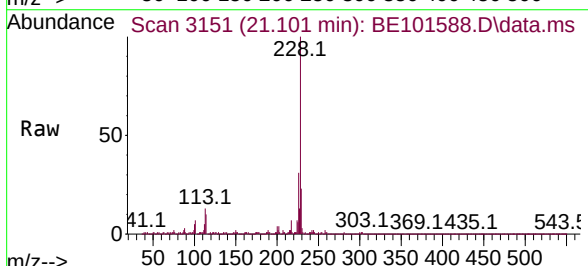
Tgt Ion:228 Resp: 389924

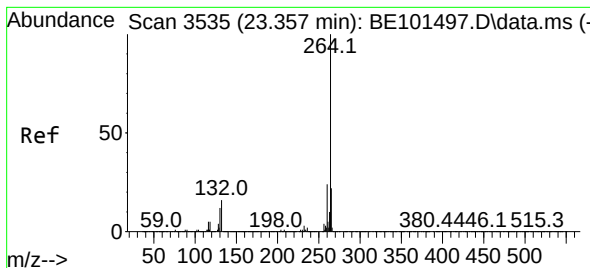
Ion Ratio Lower Upper

228 100

226 31.0 25.1 37.7

229 23.2 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.351 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

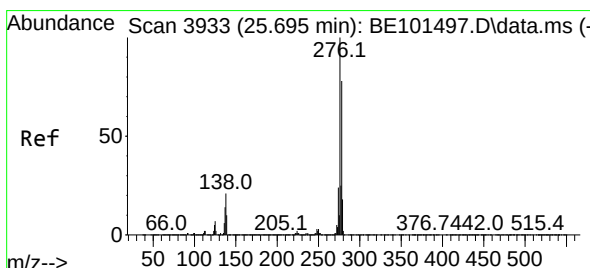
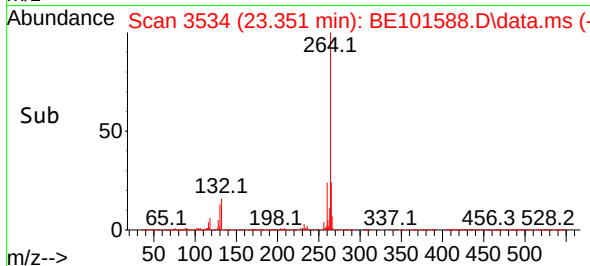
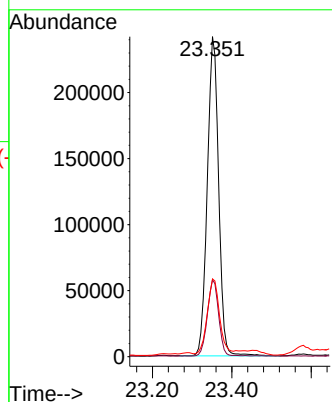
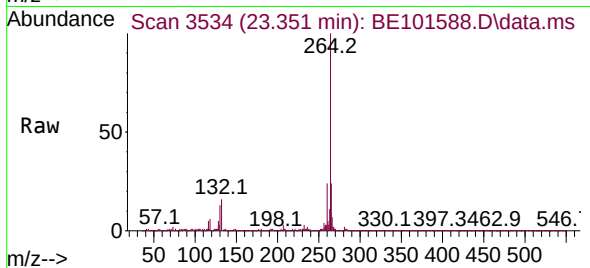
Tgt Ion:264 Resp: 478806

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 24.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.416 ng

RT: 25.666 min Scan# 3928

Delta R.T. -0.029 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

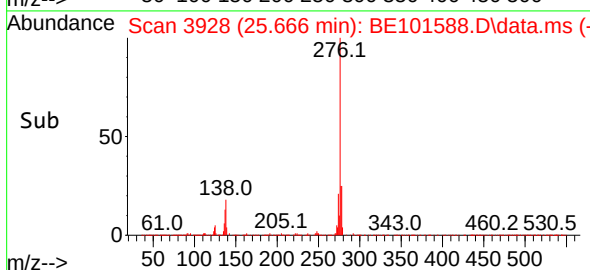
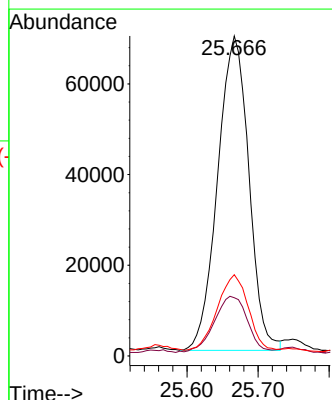
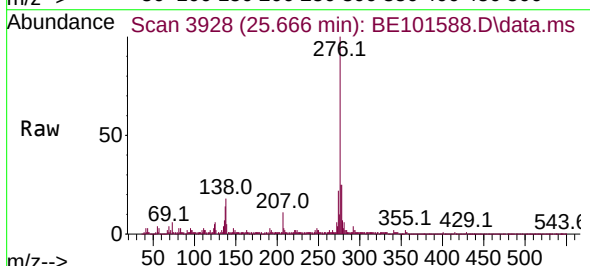
Tgt Ion:276 Resp: 211123

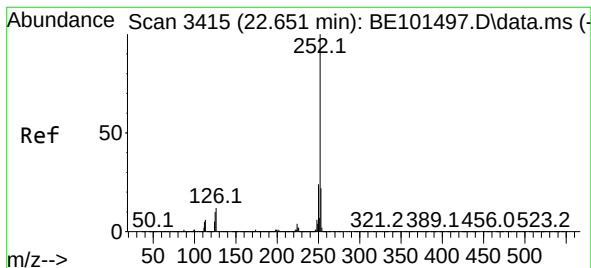
Ion Ratio Lower Upper

276 100

138 19.1 17.0 25.6

277 23.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 12.734 ng

RT: 22.646 min Scan# 3414

Delta R.T. -0.005 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

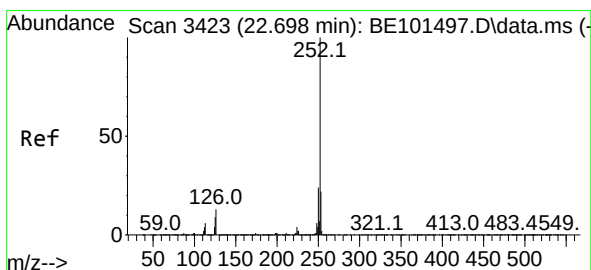
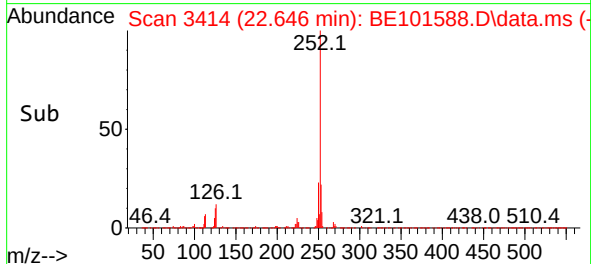
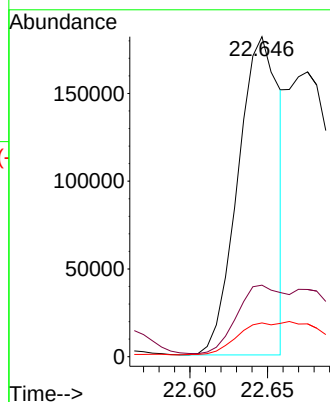
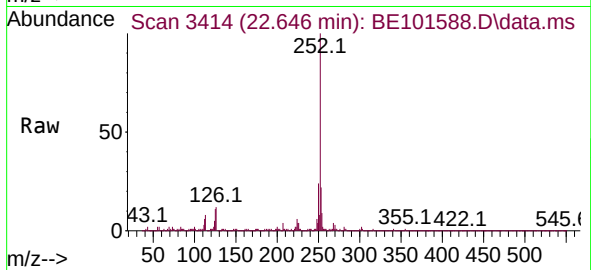
Tgt Ion:252 Resp: 334503

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 10.6 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 14.027 ng

RT: 22.646 min Scan# 3414

Delta R.T. -0.052 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

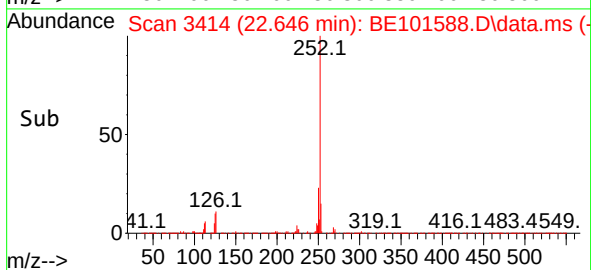
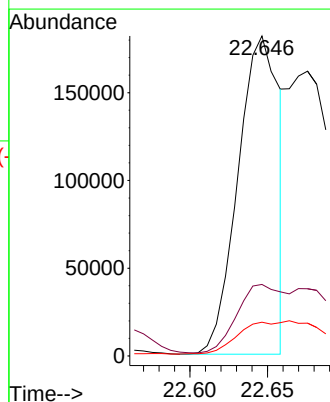
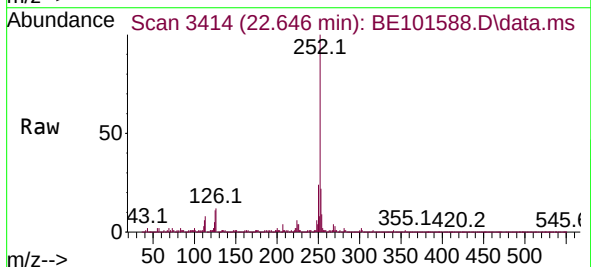
Tgt Ion:252 Resp: 334503

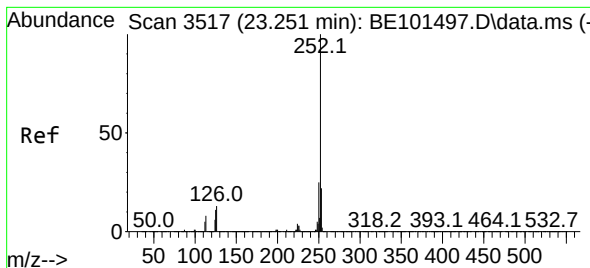
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 10.6 7.7 11.5





#90

Benzo(a)pyrene

Concen: 15.834 ng

RT: 23.240 min Scan# 3517

Delta R.T. -0.011 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

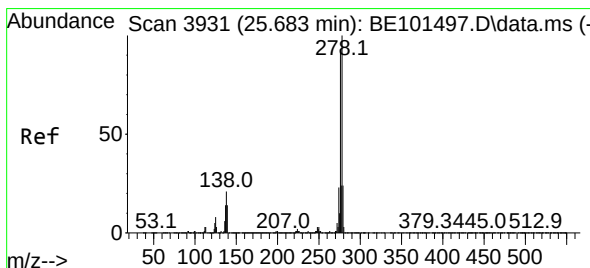
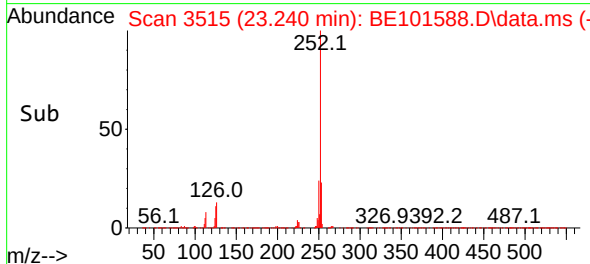
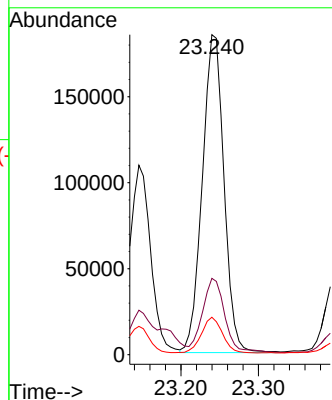
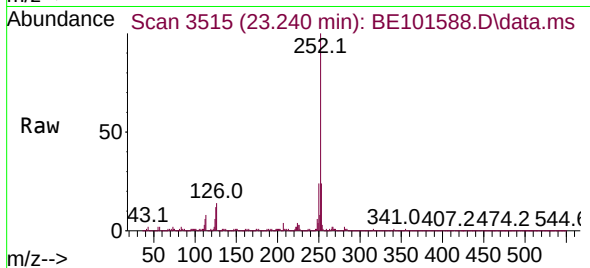
Tgt Ion:252 Resp: 359102

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 11.7 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 2.622 ng

RT: 25.649 min Scan# 3925

Delta R.T. -0.035 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

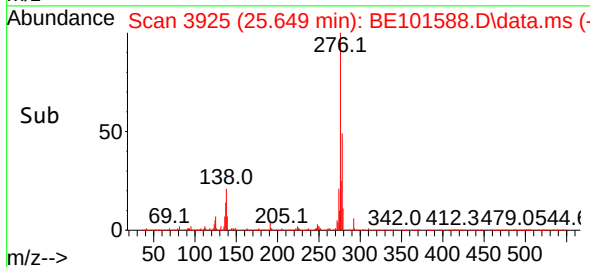
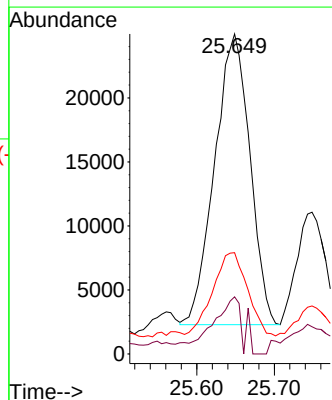
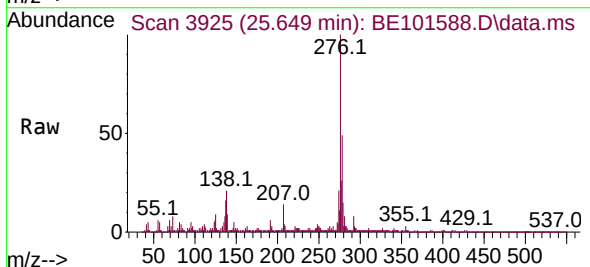
Tgt Ion:278 Resp: 71844

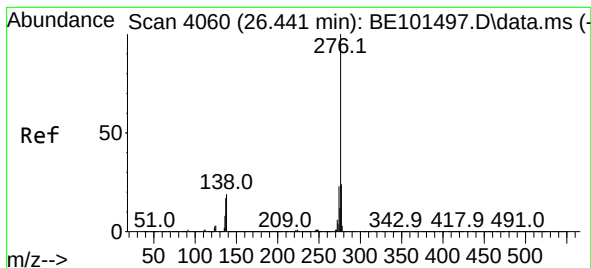
Ion Ratio Lower Upper

278 100

139 17.9 11.2 16.8#

279 31.7 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 6.274 ng

RT: 26.418 min Scan# 4060

Delta R.T. -0.023 min

Lab File: BE101588.D

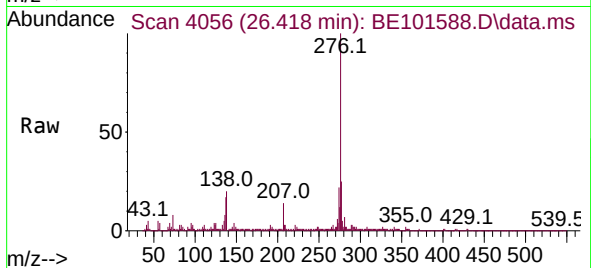
Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL



Tgt Ion:276 Resp: 174673

Ion Ratio Lower Upper

276 100

277 25.1 19.5 29.3

138 19.7 15.3 22.9

